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# FACS ANALYSIS OF BAV304 AND BAV600 TRANSDUCTION OF HUMAN CELLS

A549

293

HEp-2

HeLa

BAV304

BAV600

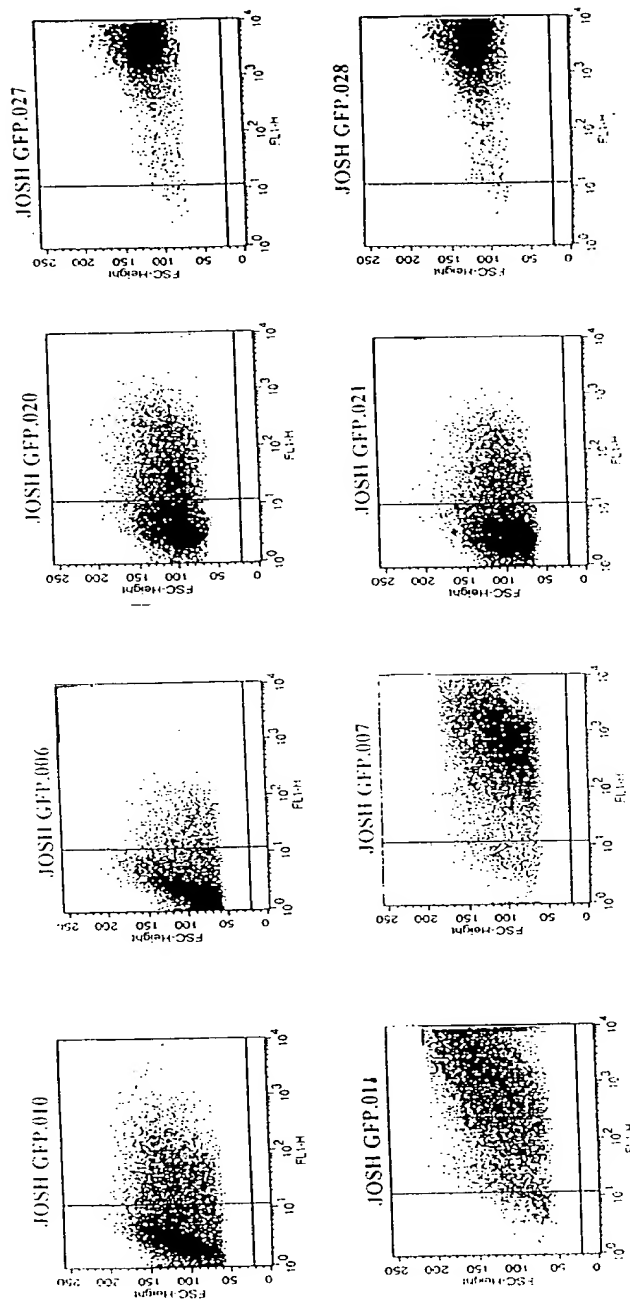


FIGURE 8



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MKRSRXXXXPXPXDPXXLYPXPXXXXPQXDXF		Majority
10 20 30		
1	MSVSSCSCPSAPTIFMLLQMKRRARPSEDTF	HAd5F.PRO
1	MKRSVPQDFNLVYPYKAKRPNIMPPFFDRN	BAV3F.pro
1	MGPKKQKRELPEDFDPVYPYDVPQLQINPP	PAV3F.pro
1	MKRTRRALPANYDPVYPYDAPGSSTQPPFF	CAV2F.pro
1	MKRARWDPVYPFSEERLVPLPPFIEAGKGL	OAd287.PRO
NXVGXXXXXXXXXXVXXXLTTPPFLXXXLGXX		Majority
40 50 60		
31	NPVYPYDTETGPPPTVPFLTTPPFVSPNGFQE	HAd5F.PRO
31	GFVENQEATLAMLVEKPLTFDKEGALTLGV	BAV3F.pro
31	FVSGDGFNQSV DGVLSLHIAPPLVFDNTRA	PAV3F.pro
31	NNKQGLTESPPGTLAVNVSPPLTFSTLGAI	CAV2F.pro
31	KSEGLILSLNFTDPITINQTGFLT TVKLG DG	OAd287.PRO
XXXXGXGGLLLEGGKXXXVXXXGLXLTTXLX		Majority
70 80 90		
61	SPPGVLSLRRLSEPLVTSNGMLALKMGNGLS	HAd5F.PRO
61	GRGIRINPAGLLETNDLASAVFPPLASDEA	BAV3F.pro
61	LTLAGGGGLQLSGKQLVVATEGSGLTTNPD	PAV3F.pro
61	KLSTGPGLTLNEGKQLQASLGPGGLITNTEGQ	CAV2F.pro
61	IFINGEGGLSSTAPKVKVPLTVSDETLQLL	OAd287.PRO
GXVXLNXKSXSXTTXXPXLXKTGSGLSLDX		Majority
100 110 120		
91	LDEAGNLTSQNVTTVSPPLKKTKSNINLEI	HAd5F.PRO
91	GNVTLNMSDGLYTKDNKLAVKVGPGLSLDS	BAV3F.pro
91	GKLV LKVKSPITLTAEGISLSLGPGLSNSE	PAV3F.pro
91	ITVENVNKVL SFTSPLHKNENTVSLALGDG	CAV2F.pro
91	LSNSLTTESDSLALKQPQLPLKINDEGSLV	OAd287.PRO
LNL LTVTTXXLXXXXXAPLXPLXXALXSTT		Majority
130 140 150		
121	SAPLTVTSEALTVA AAAAPLMVAGNTLTMQS	HAd5F.PRO
121	NNALQVHTGDGLTVTDDKVS LNTQAPLSTT	BAV3F.pro
121	TGLSLQVTAPLQFQGNALTLPLAAGLQNTD	PAV3F.pro
121	LEDENGT LKVTFTP PPLQFSPPLTKTGG	CAV2F.pro
121	LNLNTPLNLQNERLSLNVSNPLKIAADSLT	OAd287.PRO

FIG.\_17A



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X A X L X L L G S X L X T L G X X X V T V X N G X P X L Q X			Majority
160	170	180	
151 Q A P L T V H D S K L S I A T Q G P L T V S E G K L A L Q T			HAd5F.PRO
151 S A G L S L L L G P S L H L G E E E R L T V N T G A G L Q I			BAV3F.pro
151 G G M G V K L G S G L T T D N S Q A V T V Q V G N G L Q L N			PAV3F.pro
151 T V S L P L Q D S M Q V T N G K L G V K P T T Y A P P L K K			CAV2F.pro
151 I N L K E P L G L Q N E S L G L N L S D P M N I T P E G N L			OAd287.PRO
G X X L L T V X V G S G L T V A S X X L X A A X X S N G X X			Majority
190	200	210	
181 S G P L T T T D S S T L T I T A S P P L T T A T G S L G I D			HAd5F.PRO
181 S N N A L A V K V G S G I T V D A Q N Q L A A S L G D G L E			BAV3F.pro
181 G E G Q L T V P A T A P L V S G S A G I S F N Y S S N D F V			PAV3F.pro
181 T D Q Q V S L Q V G S G L T V I N E Q L Q A V Q P P A T T Y			CAV2F.pro
181 G I K L K N P M K V E E S S L A L N Y K N P L A I S N D A L			OAd287.PRO
L X N X S X T L N X K X G L V X G X L A S T X D T L S X L X			Majority
220	230	240	
211 L K E P I Y T Q N G K L G L K Y G A P L H V T D D L N T L T			HAd5F.PRO
211 S R D N K T V V K A G P G L T I T N Q A L T V A T G N G L Q			BAV3F.pro
211 L D N D S L S L R P K A I S V T P P L Q S T E D T I S L N Y			PAV3F.pro
211 N E P L S K T D N S V S L Q V G A G L A V Q S G A L V A T P			CAV2F.pro
211 S I N I A N P L T V N T S G S L G I S Y S T P L R I S N N A			OAd287.PRO
V N P F X G X X L N L T X X Q T L X X X X L X X L V X X N N			Majority
250	260	270	
241 V A T G P G V T I N N T S L Q T K V T G A L G F D S Q G N M			HAd5F.PRO
241 V N P E G Q L Q L N I T A G Q G L N F A N N S L A V E L G S			BAV3F.pro
241 S N D F S V D N G A L T L A P T F K P Y T L W T G A S P T A			PAV3F.pro
241 P P P L T F T S P L E K N E N T V S L Q V G A G L S V Q N N			CAV2F.pro
241 L S L F I G K P L G L G T D G S L T V N L T R P L V C R Q N			OAd287.PRO
X L X X T P G X P L V S L Y P L L X L D V X X P L X A S X A			Majority
280	290	300	
271 Q L N V A G G L R I D S Q N R R L I L D V S Y P F D A Q N Q			HAd5F.PRO
271 G L H F P P G Q N Q V S L Y P G D G I D I R D N R V T V P A			BAV3F.pro
271 N V I L T N T T T P N G T F F L C L T R V G G L V L G S F A			PAV3F.pro
271 A L V A T P P P P L T F A Y P L V K N D N H V A L S A G S G			CAV2F.pro
271 T L A I N Y S A P L V S L Q D N L T L S Y A Q P L T V S D N			OAd287.PRO

FIG. 17B



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		LXXLXGLXPLXTNSXGXLDXNYSXXLVLTXX	Majority
		310 320 330	
301	LNLRLGQGPLFINSAHNLDINYNKGLYLFT		HAd5F.PRO
301	GPGLRMLNHQLAVASGDGLEVHSDTLRLKL		BAV3F.pro
301	LKSSIDLTSMTKKVNFIFDGAGRLQSDSTY		PAV3F.pro
301	LRISGGSLTVATGPGLSHQNGTIGAVVGAG		CAV2F.pro
301	SLRLSLNSPLNTNSD GKLSVNYSNPLVVTD		OAd287.PRO
		SXXXXFXXXAVLINXTGXDXAXXAXIXXX	Majority
		340 350 360	
331	ASNNSKKLEVNLSTAKGLMFDATAIAINAG		HAd5F.PRO
331	SHGLTFENGAVRAKLGPGLGTDDSGRSVVR		BAV3F.pro
331	KGRFGFRSND SVIEPTAAGLS PAWLMPSTF		PAV3F.pro
331	LKFENNAILAKLGNGLTIRDGAIEATQPPA		CAV2F.pro
331	SNLTLSVKKPVMINNTGNVDLSFTAPIKLN		OAd287.PRO
		DGXXLTSGNGPXXNVXINXTXVGLDFXLTT	Majority
		370 380 390	
361	DGLEFGSPNAPNTNPLKTKIGHGLEFDSNK		HAd5F.PRO
361	TGRGLRVANGQVQIFSGRGTAIGTSSSLTL		BAV3F.pro
361	IYPRNTSGSSLTSFVYINQTYVHVDIKVNT		PAV3F.pro
361	APITLWTGPGPSINGFINDTPVIRGFICLT		CAV2F.pro
361	DAEQLTLETTEPLEVADNALKLKLKGKGLTV		OAd287.PRO
		XXXALLXXXGSFLTXXGXXXXGSKTNSSLXL	Majority
		400 410 420	
391	AMVPKLGTLGLSFDSTGAITVGNKNNDKLT		HAd5F.PRO
391	NIRAPLQFSGPALTASLQSGGPITYNSNNG		BAV3F.pro
391	LSTNGYSLEFNFNQMSFSAPFSTSYGTFCY		PAV3F.pro
391	RDSNLVTVNASFVGE GGYRIVSPTQSQFSL		CAV2F.pro
391	SNNALTLLNLGNGLTFQQGLLQIKTNSSLGF		OAd287.PRO
		XXXXXXXXSPXXXXXXXXNXXXXLTLXXLXFGXN	Majority
		430 440 450	
421	WTPAPSPNCRNLNAEKDAKLTTLVLTKCGSQ		HAd5F.PRO
421	TFGLSIGPGMWVDQNRLLQVNP GAGLVFQGN		BAV3F.pro
421	VPRRTTHRPRHGPFS LRERRHLFQLLQQ		PAV3F.pro
421	IMEFDQFGQLMSTGNINSTTTWGEKPGWNN		CAV2F.pro
421	NASGELSTATKQGTITVNFLSTTPIAFGWQ		OAd287.PRO

FIG. 17C



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I L X T X X A X X X K L S X X X I S X X S X P A X L I X R X		Majority
460 470 480		
451	I L A T V S V L A V K G S L A P I S G T V Q S A H L I I R F	HAd5F.PRO
451	N L V P N L A D P L A I S D S K I S L S L G P G L T Q A S N	BAV3F.pro
448		PAV3F.pro
451	T V Q P R P S H T W K L C M P N R E V Y S T P A A T I S R C	CAV2F.pro
451	I I P T T V A F I Y I L S G T Q F T P Q S P V T S L G F Q P	OAd287.PRO
X L D X X L X N G L X X X X X V X X I X G X X X X V X X Y		Majority
490 500 510		
481	D E N G V L L N N S F L D P E Y W N F R N G D L T E G T A Y	HAd5F.PRO
481	A L T L S L G N G L E F S N Q A V A I K A G R G L R F E S S	BAV3F.pro
448		PAV3F.pro
481	G L D S I A V D G A P S R S I D C M L I I N K P K G V A T Y	CAV2F.pro
481	P Q D F L D F F V L S P F V T S V T Q I V G N D V K V I G L	OAd287.PRO
T X A X X F S X X X X X X X X L X K T X X X N X X X X X E		Majority
520 530 540		
511	T N A V G F M P N L S A Y P K S H G K T A K S N I V S Q V Y	HAd5F.PRO
511	S Q A L E S S L T V G N G L T L T D T V I R P N L G D G L E	BAV3F.pro
448		PAV3F.pro
511	T L T F R F L N F N R L S G G T L F K T D V L T F T Y V G E	CAV2F.pro
511	T I S K N Q S T I T M K F T S P L A E N V P V S M F T A H Q	OAd287.PRO
X R - - - - -		Majority
550 560 570		
541	L N G D K T K P V T L T I T L N G T Q E T G D T T P S A Y S	HAd5F.PRO
541	V R D N K I I V K L G A N L R F E N G A V T A G T V N P S A	BAV3F.pro
448		PAV3F.pro
541	N Q	CAV2F.pro
541	F R Q	OAd287.PRO
- - - - -		Majority
580 590 600		
571	M S F S W D W S G H N Y I N E I F A T S S Y T F S Y I A Q E	HAd5F.PRO
571	P E A P P T L T A E P P L R A S N S H L Q L S L S E G L V V	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO

FIG.\_17D



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-----		Majority
	610 620 630	
600		HAd5F.PRO
601	H N N A L A L Q L G D G M E V N Q H G L T L R V G S G L Q M	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	640 650 660	
600		HAd5F.PRO
631	R D G I L T V T P S G T P I E P R L T A P L T Q T E N G I G	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	670 680 690	
600		HAd5F.PRO
661	L A L G A G L E L D E S A L Q V K V G P G M R L N P V E K Y	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	700 710 720	
600		HAd5F.PRO
691	V T L L L G P G L S F G Q P A N R T N Y D V R V S V E P P M	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
-----		Majority
	730 740 750	
600		HAd5F.PRO
721	V F G Q R G Q L T F L V G H G L H I Q N S K L Q L N L G Q G	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO

FIG.\_17E



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		Majority
		760 770 780
600		HAd5F.PRO
751	L R T D P V T N Q L E V P L G Q G L E I A D E S Q V R V K L	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		790 800 810
600		HAd5F.PRO
781	G D G L Q F D S Q A R I T T A P N M V T E T L W T G T G S N	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		820 830 840
600		HAd5F.PRO
811	A N V T W R G Y T A P G S K L F L S L T R F S T G L V L G N	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		850 860 870
600		HAd5F.PRO
841	M T I D S N A S F G Q Y I N A G H E Q I E C F I L L D N Q G	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO
		Majority
		880 890 900
600		HAd5F.PRO
871	N L K E G S N L Q G T W E V K N N P S A S K A A F L P S T A	BAV3F.pro
448		PAV3F.pro
542		CAV2F.pro
544		OAd287.PRO

FIG. 17F



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					Majority
		910	920	930	
600					HAd5F.PRO
901	L Y P I L N E S R G S L P G K N L V G M Q A I L G G G G T C				BAV3F.pro
448					PAV3F.pro
542					CAV2F.pro
544					OAd287.PRO
					Majority
		940	950	960	
600					HAd5F.PRO
931	T V I A T L N G R R S N N Y P A G Q S I I F V W Q E F N T I				BAV3F.pro
448					PAV3F.pro
542					CAV2F.pro
544					OAd287.PRO
					Majority
		970			
600					HAd5F.PRO
961	A R Q P L N H S T L T F S Y W T				BAV3F.pro
448					PAV3F.pro
542					CAV2F.pro
544					OAd287.PRO

**FIG.\_17G**